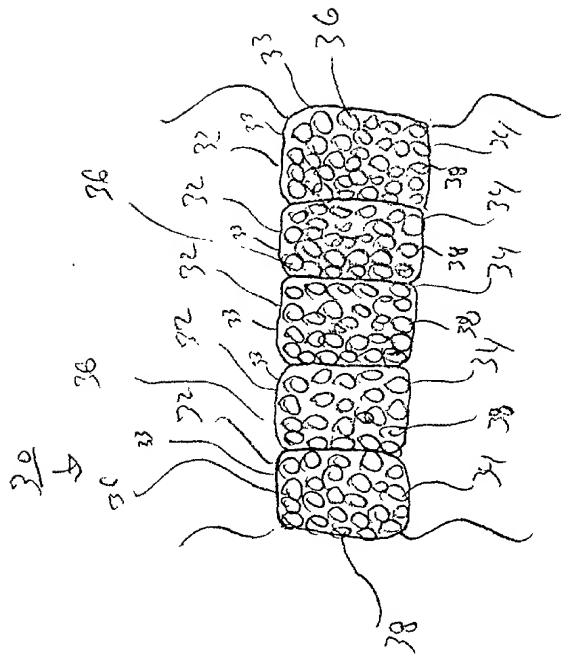


Fig 7

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Fig 2



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Fig 3A

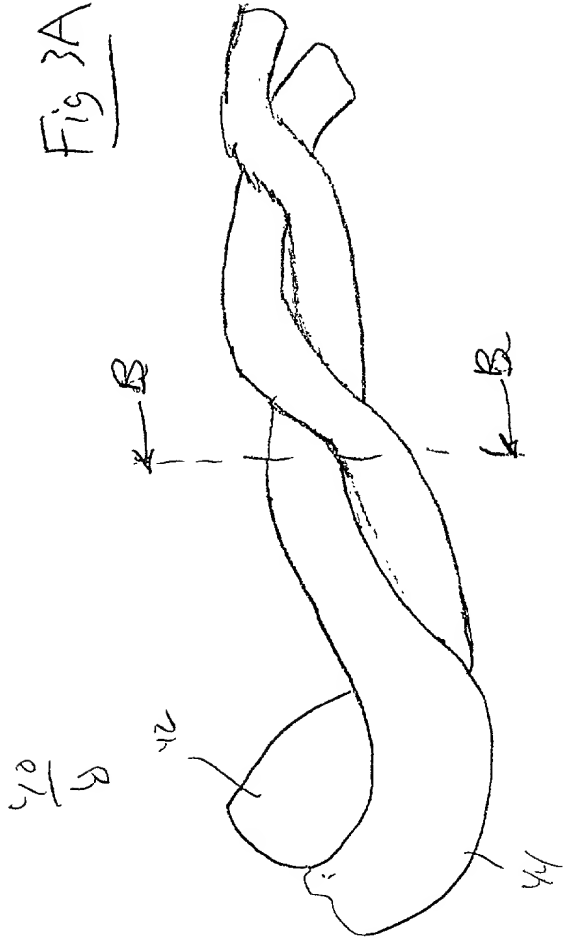
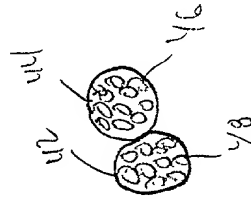
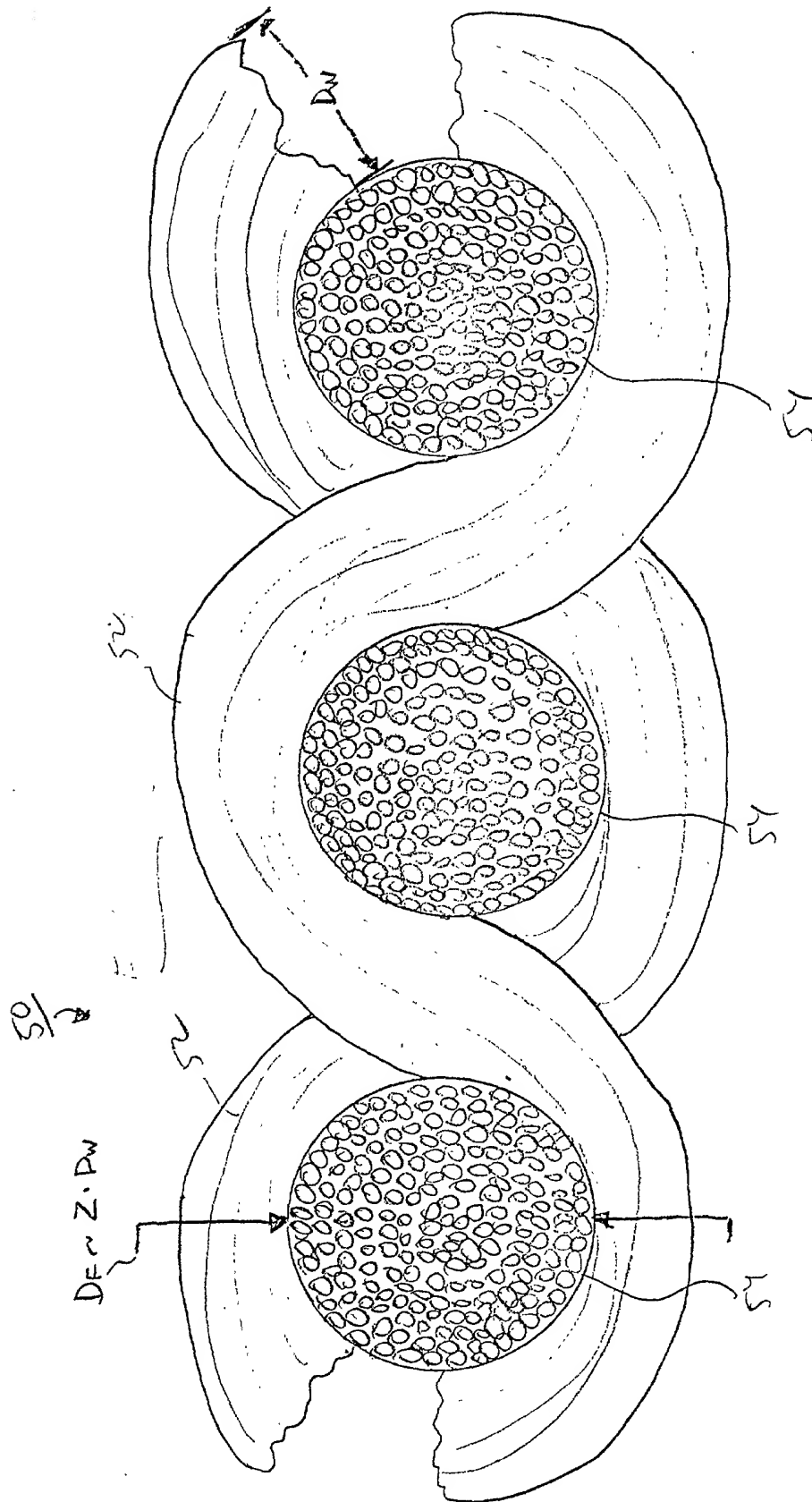


Fig 3B





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FIG 4A (Prior Art)

FIG 4A (Prior Art)

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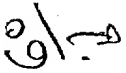


Fig 4B (P_{ri} Ant)

Title: Multi-Layer and Laminate Fabric Systems

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Fig. 5

Diagram illustrating a cross-section of a membrane structure. The structure consists of a substrate (92) and a protective layer (94) on top. The protective layer has a top surface (96) and a bottom surface (98). A circular feature labeled "wear" is shown on the bottom surface (98). The protective layer is labeled "puncture-resistant layer" and "micro porous membrane".

F15.6A

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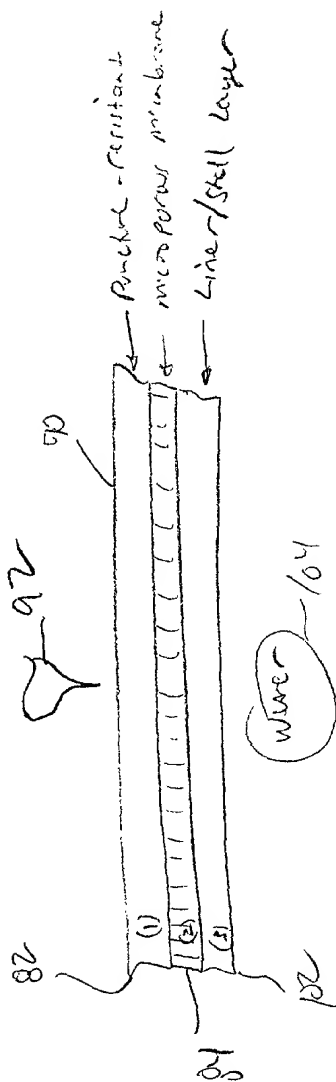


Fig 6B

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Fig. 60

Material	Modulus (GPa)	Strength (MPa)	Elongation (%)	Modulus (GPa)	Strength (MPa)	Elongation (%)	Modulus (GPa)	Strength (MPa)	Elongation (%)
Aluminum	70	350	10	70	350	10	70	350	10
Steel	200	550	20	200	550	20	200	550	20
Carbon Fiber	150	1500	2	150	1500	2	150	1500	2
Kevlar	130	1400	3	130	1400	3	130	1400	3
Fiberglass	70	1000	5	70	1000	5	70	1000	5
Concrete	30	40	0.2	30	40	0.2	30	40	0.2
Brick	15	10	0.1	15	10	0.1	15	10	0.1
Wood	10	100	10	10	100	10	10	100	10
Plastic	2	50	5	2	50	5	2	50	5
Glass	70	1000	0.1	70	1000	0.1	70	1000	0.1
Composites	100	1000	5	100	1000	5	100	1000	5

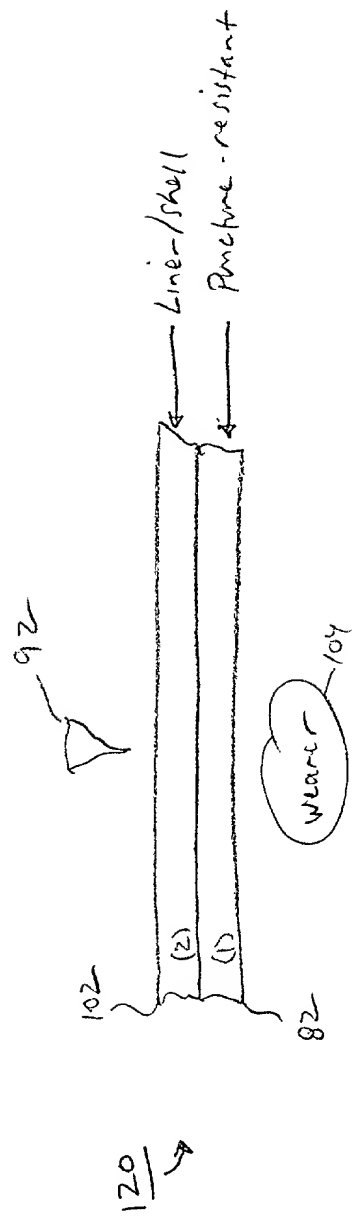


Fig. 7A

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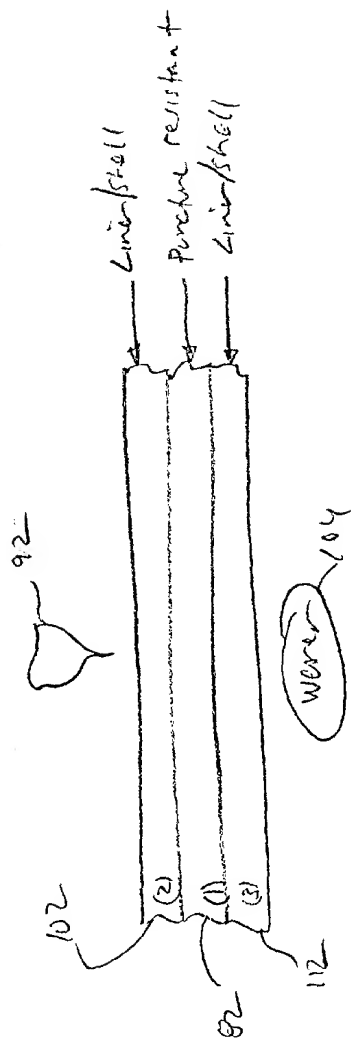


Fig. 7B